

METHOD AND SYSTEM FOR ACCESSING DATA

CO-PENDING APPLICATIONS

This application is related to United States Patent Application Serial No. 09/819,147 entitled "DEVICE AND METHOD FOR COMPRESSION OF A VIDEO STREAM," filed March 27, 2001, having Attorney Docket Number. VIXS.0100010; United States Patent Application Serial Number ^{09/918,380} ~~XXXXXX,XXX~~ entitled "SYSTEM AND METHOD FOR MULTIPLE CHANNEL VIDEO," filed herewith on even date having Attorney Docket Number VIXS.0100090; and United States Patent Application Serial Number ^{09/917,467} ~~XXXXXX,XXX~~ entitled "SYSTEM AND METHOD FOR MULTIPLE CHANNEL VIDEO TRANSCODING," filed herewith on even date having Attorney Docket Number VIXS.0100100.

FIELD OF THE DISCLOSURE

The present invention relates generally to the processing of video data, and more specifically to specific methods and devices for processing video data.

BACKGROUND

The use of data processors to manipulate data is well known. Many general purpose data processors include the ability to manipulate specific bits of data by loading data into one or more registers and executing various rotation commands, masking commands, and logic commands. Examples of general purpose data processors used to implement a wide variety of specific functions include Reduced Instruction Set Computer (RISC) microprocessors, Complex Instruction Set Computer (CISC) microprocessors, and microcontrollers.

General purpose processors are generally limited in their ability to execute real-time applications that require bit processing. For example, a general purpose data processor performing an application that includes manipulating compressed data will generally access specific bits of a data word before a desired operation can be performed on the data. The specific bits are accessed by

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